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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/566,483	01/30/2006	Takao Saito	10873.1854USWO	3585	
52835 HAMRE SCE	7590 03/28/200 IUMANN, MUELLER		EXAM	IINER	
P.O. BOX 2902			REDDY, KARUNA P		
MINNEAPOL	IS, MN 55402-0902		ART UNIT PAPER NUMBER		
			1796		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

10/566,483 SAITO ET AL. Office Action Summary

Application No.

Applicant(s)

Office Action Summary	Examiner	Art Unit					
	KARUNA P. REDDY	1796					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DY Estensions of time may be available under the provisions of 3 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO prince of rengly is generalled above, the macrimum statutory period we have a considered above. The macrimum statutory period was a first the mailing and the state of the provision of the state of the provision of the state	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim- rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE!	I. lely filed the mailing date of this of (35 U.S.C. § 133).					
Status							
3) Since this application is in condition for allowar	action is non-final. nce except for formal matters, pro		e merits is				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-15 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.						
Application Papers							
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) ccepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a), Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d), 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior	s have been received. s have been received in Applicativity documents have been received (PCT Rule 17.2(a)).	on No ed in this National	Stage				
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					

- Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Information Disclosure Statement(s) (PTO/SE/08)
 - Paper No(s)/Mail Date 1/23/2008.

- Paper No(s)/Mail Date. ___ 5) Notice of Informal Patent Application 6) Other: _____

Application/Control Number: 10/566,483 Page 2

Art Unit: 1796

DETAILED ACTION

1. This office action is in response to the amendment filed on 1/14/2008.

Applicants amended claim 1 and added claims 14-15. Claims 1-15 are currently pending in the application.

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 102

 Claim 1, 3 and 11-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakanishi et al (US 4, 721, 647).

The rejection is adequately set forth in paragraph 2 of office action mailed 7/13/2007 and is incorporated here by reference.

 Claim 1, 4-5 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Takemori et al (US 5, 075, 373).

The rejection is adequately set forth in paragraph 3 of office action mailed 7/13/2007 and is incorporated here by reference. Furthermore, the particle size of water absorbent resin is 100 microns or finer (abstract).

Application/Control Number: 10/566,483

Art Unit: 1796

 Claim 1, 6, 11-12 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Suskind et al (US 5, 849, 816).

The rejection is adequately set forth in paragraph 4 of office action mailed 7/13/2007 and is incorporated here by reference. Furthermore, average particle size of the resulting absorbent particles of present invention is preferably in the range of from about 100 microns to about 600 microns (column 10, lines 25-28).

Claims 1-3, 11-12 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Knack et al (US 5, 002, 814).

Knack et al disclose highly absorbent polymer particulate that can be treated like a powder and yet remain immovable inside the fluffy layer of sanitary articles (column 1, lines 6-68; column 2, line 1). The polymer product features high absorptive capacity and a particulate structure which permits numerous short fibers to be contained within the individual polymer particles (column 2, lines 4-7). The preferred polymer is based on acrylic acid/sodium acrylate and the polymers can be crosslinked (column 2, lines 29-31). The absorbent polymer particles feature in general a particulate size of 1-1000 microns (column 2, lines 36-37). Polymer fibers used are polyolefin fibers, especially polyethylene and polypropylene (column 2, lines 62-64) and read on the hydrophobic substance of present claims. A method of bonding the fiber material to the polymer product consists of placing the fiber material in polymer solution before the polymer material is finished, whereupon a linking reaction occurs. This causes the fibers

to become at least partially enveloped by the polymer product, and in such a way that the fiber ends combine with the insides of the polymer product (column 3, lines 52-58).

Therefore, Knack et al anticipates the present claims.

Claim Rejections - 35 USC § 103

 Claims 7-10 and 13 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Nakanishi et al (US 4, 721, 647) or Knack et al (US 5, 002, 814).

The discussion with respect to Nakanishi et al and Knack et al in paragraphs 3 and 6 respectively is incorporated here by reference.

Nakansihi et al or Knack et al individually are silent with respect to properties such as water retention amount, liquid permeation rate, absorption time and diffusion absorption amount.

However, in light of the fact that prior art teaches / discloses essentially a similar absorbent resin particle as that of the claimed, one of ordinary skill in the art would have a reasonable basis to believe that the absorbent resin particle of prior art exhibits essentially the same properties. Since PTO cannot conduct experiments, the burden of proof is shifted to the applicants to establish an unobviousness difference. See In re Fitzgerald, 619 F.2d 67, 205 USPQ 594 (CCPA 1980).

Application/Control Number: 10/566,483

Art Unit: 1796

Even if properties of the absorbent resin particle of instant claims and prior art examples are not the same, it would still have been obvious to one of ordinary skill in the art to make absorbent resin particle having the claimed properties because it appears that the references generically embrace the claimed absorbent resin particle and the person of ordinary skill in the art would have expected all embodiments of the reference to work. Applicants have not demonstrated that the differences, if any, between the claimed absorbent resin particle and the absorbent resin particle of prior art give rise to unexpected results.

 Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Suskind et al (US 5, 849, 816).

The discussion with respect to Suskind et al in paragraph 5 above is incorporated here in by reference.

Suskind et al is silent with respect to wt% of hydrophobic substance, based on a weight of the crosslinked polymer.

However, it is the examiner's position that amount of filler core i.e. hydrophobic substance, is a result-effective variable (MPEP 2144.5) since the amount used clearly affects the hydrophobicity. Hence, the choice of a particular amount of hydrophobic substance (such as the amount in present claims) is a matter of routine experimentation and would have been well within the skill level of, and thus obvious to, one of ordinary skill in the art, specially in light of the

teaching of Suskind which indicates that process may be modified by one skilled in the art without undue experimentation with respect to weight ratio of filler core to polymer (column 10, lines 44-48).

Response to Arguments

9. Applicant's arguments filed 1/14/2008 have been fully considered but they are not persuasive. Specifically, applicant argues that (A) although the absorbent polymer of Nakanishi et al is in the form of substantially spherical particles, the absorbent article in the reference is a web shaped article. These shapes are obviously not a particle shape, which claim 1 requires; (B) Suskind discloses hydrophobic organic materials that are different from hydrophobic substances of the amended claim 1; and (C) claim 1 requires that at least part of the hydrophobic material is contained inside the absorbent resin particle.

With respect to (A), claim 1 recites an absorbent resin particle and not a water absorbent article. The water absorbent polymer of Nakanishi is in the form of spherical particles, as acknowledged by the applicant, which meets the limitation of claim 1.

With respect to (B), hydrophobic organic materials, such as cellulose and starch, disclosed in Suskind contain hydrocarbon groups i.e. cellulose and starch contain carbon and hydrogen atoms and meet the claim limitation of a hydrophobic substance containing hydrocarbon groups.

Application/Control Number: 10/566,483 Page 7

Art Unit: 1796

With respect to (C), it is the examiner's position that, mixing of the water absorbent resin particle and hydrophobic substance results in contact between water absorbent resin particle and hydrophobic substance and thus has a configuration wherein the hydrophobic substance is partially contained in the water absorbent resin particles.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to KARUNA P. REDDY whose telephone

number is (571)272-6566.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119.

The fax phone number for the organization where this application or proceeding

is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from

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9199 (IN USA OR CANADA) or 571-272-1000.

/Karuna P Reddy/

Examiner, Art Unit 1796

/VASUDEVAN S. JAGANNATHAN/

Supervisory Patent Examiner, Art Unit 1796